GEO. ENGELMANN, M. D.
3003 Locust Street.

St. Louis, Mo., July 4 1876

Dear Parry

Lindheimer sends me a flowering Agave and sketch of it, which was brought to New Braunfels from the neighborhood of "Montezuma between Venado and San Luis Potosi. It is one of the tall ones, and I think is A. Salmiana, not heretofore known in flower; — a very loose panicle — scape 18 feet high. —

Another Agave, A. Victoriae Reginae, I believe, with very conspicuous forked terminal spine of leaf has been sent to England from the neighborhood of Monterey;

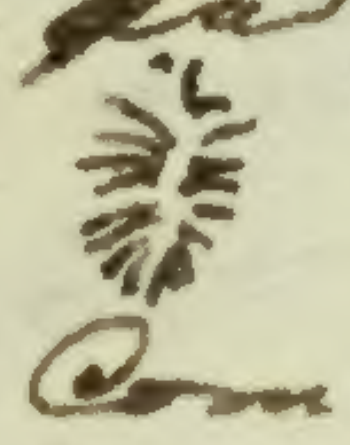
So, look to your laurels.

Here I got a week ago from you a root, a fragment — no letter, no postal — what is it? what sent for ?? to plant? to eat? to purge?

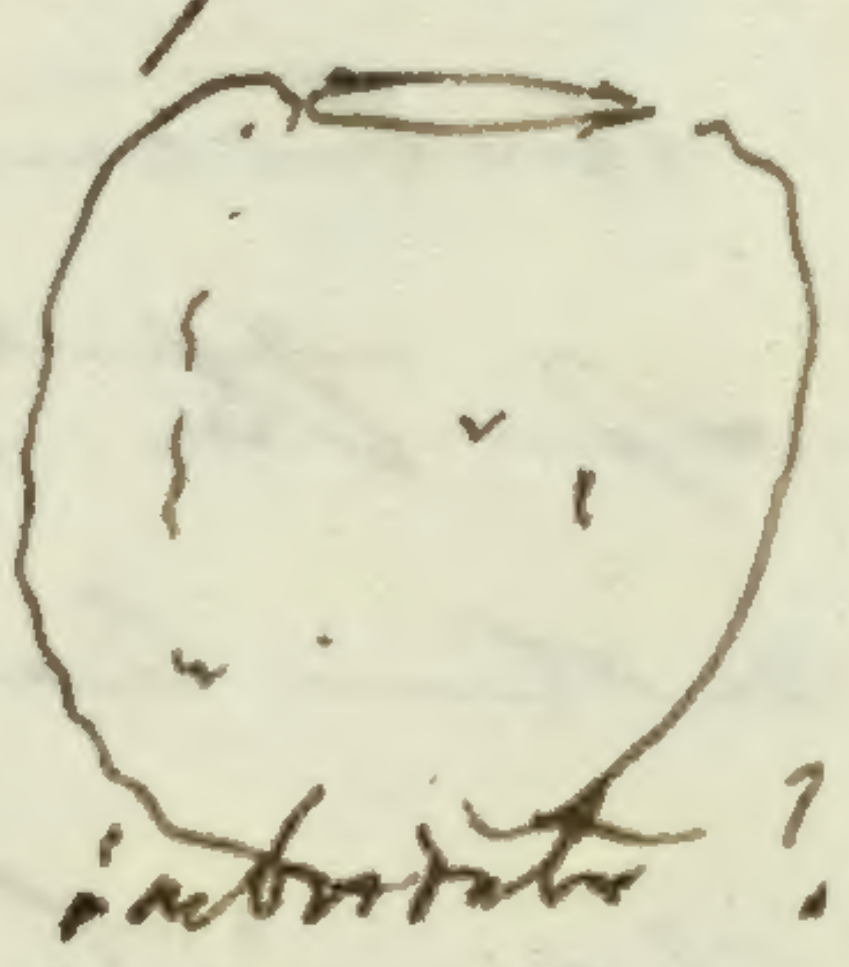
This was written weeks ago. Since then your letter of Jun 10th has come to hand, and another of the abovementioned root-fragment, which I now learn to be an Agave singuliflora! It is planted.

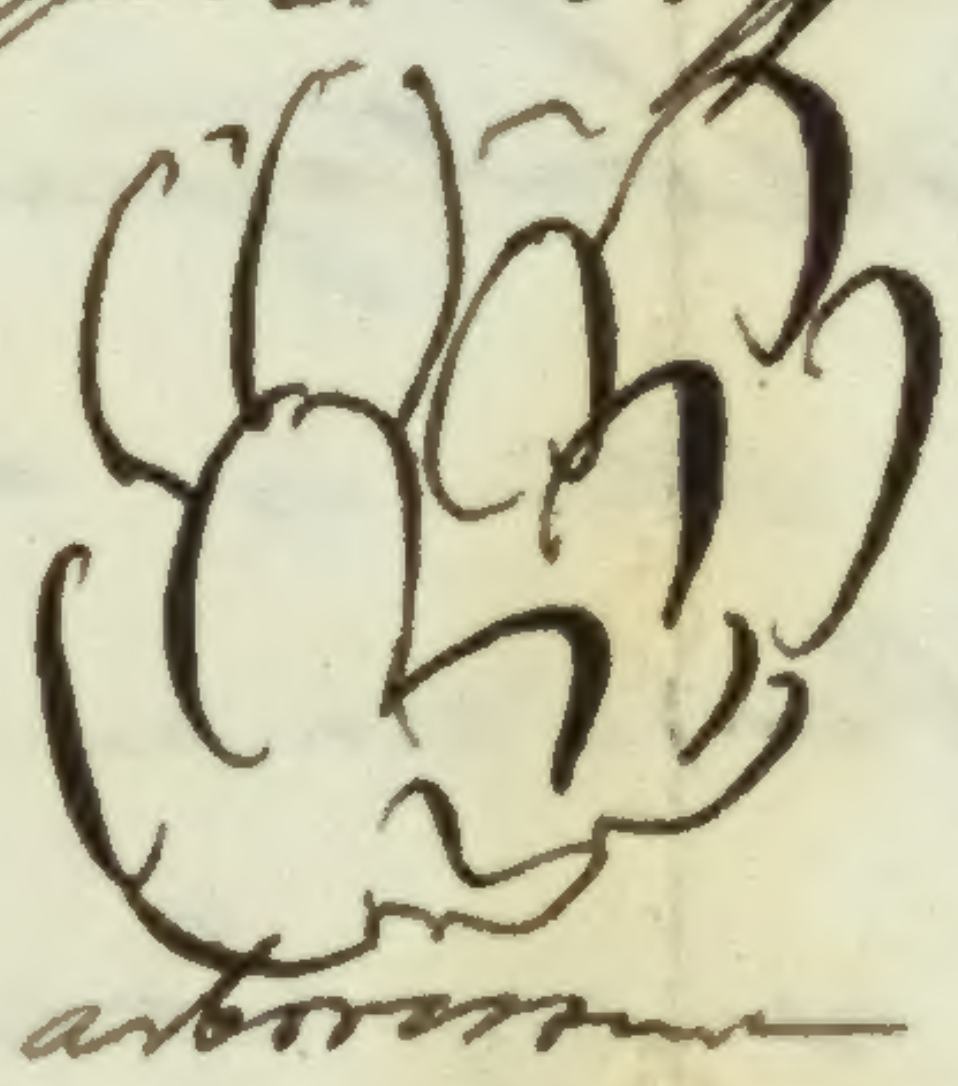
But first I must say that your letter of May 17 also came to hand with the elaborate account of different Cacti. And now I will go over them regularly.

My last letter was of May 20th, which you had not yet got, when your last was written, Jun 10th, "Charleston"

That Mammillaria with fruit enough to satisfy all the world is M. uncinata, mixed with the fruit were a spine bundle of Cereus pectinatus 

That most common cylindric Opuntia is very interesting to me, as it is a close relative of our northern O. arborescens and is either O. decipiens or O. imbricata, if both are not synonymes. I suppose Wislizenus gathered it in North Mexico, but confounded it with arborescens. You must have a good recollection of that, as it grows in New Mexico & Colorado. The plains of the Arkansas, nearly to Pikes Peak are full of them. flowers much like yours, but branches horizontal (or at least drooping) and verticillata. Your immature fruit was very welcome, as I can compare it with our arborescens; it is quite different from it, almost without tubercles,


imbricata?


arborescens

while ours is beset with them, much like the ~~stem~~ branch itself

I now want the seed, to study and compare, and to sow. –

Among the "Clavatae" as you call them must be O. tunicata, a low much branched cylindric Opuntia with numerous sheathed spines (no clavata has sheathed spines!); it was sent by Gregg from San Luis. – It is common in cultivation but both fl. & fr. unknown!! therefore look out!! It is much more interesting to get material to complete the history of an old, half known species than find new fragments. — You must have seen that O. tunicata and will recognize it by the pale glistening sheaths of the spines.

It would be very interesting to follow up the wild (or run wild from cultivation) forms of Agave American and ascertain how it varies, and what are the constant characters; are the teeth or the terminal spike constant, or the general leaf form – or must we look to fl & fr? You speak of an extreme shortleaved form, with leaves 10½ inches by 5 inches. Can that be? Is that not another species? or do you find the connecting links?

If you collect pines do not neglect the female aments (or young cones); specimens ought to show them, as they are visible the whole year round. – male aments of course if possible – even if withered.

Riley is at the Agricultural Dep. Vasey says his (own) health not good — can not do much.

You have now, I think, completed the material for Cereus geometrizans. —

Opuntia frutescens or leptocaulis, then, opens only middle of day! Is the colour of fl. yellowish green? I have the same information from Texas — so that the vagaries of a night-flowering Opuntia are set at rest.

Both fragments of Amole rootstock are budding — but I can not find the capsule for the life of me — must have laid it away so carefully that it may come up only in the next cataclysm. — therefore got me other capsules (& ripe seed) I expect soon to see the flowers. — Dont you find Lechuguilla and my Agave falcata, which is an old species, A. striata, both, geminiflorae. — watch also all the Agaves which are used as amole or mezcal — I believe not all are fit for it.

Watch the liquid in Agave flowers

Schaffner probably has no coll of dried Agaves too troublesome to make! let him slide

I always repeat the request to collect fem. aments or incipient cones of pines — important characters in them.

This Tuna is no doubt the same that is introduced all around the Mediterranean and naturalized. In Naples I have seen many schoonerloads of the fruit, and liked it. There they have purple, white, and orange coloured fruits (Fico d' India) the last the best, and also a variety with abortive seed. — We do not know much, or any thing about the cultivation in Mexico and your sketch will be valuable. I did not know they fermented it — never heard of that in Italy — but then — they have cheap wines there!

I am unusually busy — have finished Wheeler — Rothrock's work but am preparing diligently Flora Calif. Gms & Con. which keeps me alltogether in a stew and turmoil — that and thermom. at 90°. close — sultry — much rain. —

If it gets hotter my wife will not stay here and I shall have to leave notwithstanding the AAS. —

I hope to hear more from you soon and I myself will try to be more punctual in writing. —

Yours ever

G. Engelmann.

If you should find Oaks, watch for annual or biennial fruit first or rather maturation. You know that the Black oaks show their fruit (young or old or both) all the year round.

Mailed July 5th — o shame!

St Louis March 10 1870

Dear Parry

Did you ever have mumps and earake and throatake and cough and chills and fever, and been obliged to go out and see patients and do other duties, and feeling cross and snappish and boorish and bearish and — be obliged to ~~be~~ amiable and say "dear" .? That is exactly my situation. Your Cactus seed are certainly emollients and make my pen scratch the paper, what other dearmus could not do — but silent though deep curses or at least grimace, dont show on the paper!

I have since 8 or 10 days running from one cold into another, going out at nights and in snow and rain in miserable weather, sometimes as low as 20 — so that this thing has been growing on me, and is now so bad, that I refuse night calls or evening calls — but can not help going in daytime,

of course you have a pigeonhole for me which you will not forget — like Torrey has done. but I protest against their being filled with old discarded loves such as Euphorbia Cereus etc though I will for pity's sake attend to them also and as the weather is warm now and fine I hope to get gradually over it.

This, I know, is to me just now as important as Cactus seeds — whether to you is a very different question.

Now I have two letters which require answering — of the 4th & 7th.

Mine, I believe are never answered by you!

That P. Torreyi has never come to hand — has it been sent?

But I received a box with Yucca baccata, leaf and (unripe?) seed — and P. Menziesii —

That Oenothera is O. coronopifolia

Phormium seeds are to me only botanically interesting —

Australian seeds respectfully declined.

It is quite probable that San Francisco Mt. is an extinct Volcano — but I hope Dr Palmer brought more convincing proof (in specimens) than his ipse dixit.

Why should Cacti not do like other plants and ripen fruit next spring?

„The Cereus seed was from Sonora (Alton)" what is Alton ??

That Spargani: — from Utah is Sp. eurycarpum

Dont Dr Palmer recollect, what sort of A Plant this Cereus was? Erect, prostrate, creeping, climbing, stout, slender? resembling which known species? Did he not meet with Schottii or Thurberi?? Any seeds of Giganteus?

Get Schott who being a draftsman has a plastic mind question him refresh his memory and see what he can make of his givings out. —

Any thing about that doubtful Yucca with half thick seeds — leaves?

Yucca leaves are more important than flowers.

pray do me no service in writing to the Commissioner about me — would do the Pines that others may not do them worse — but thats all — and as I take it the botanical part is only small matter — the utilitarian to predominate, with flourishes which won't flow from this child's pen.

Put Nolinas aside in my pigeonhole and if you want analyses — I will make them.

This reminds me of a Conversation with a Parisian savant, 13 years

That Spargani— from Utah is Sp eurycarpum ago — I told him, I intended to publish some botanical work — Cacti I believe — "Who is going to make your figures and your analysis??" — They are all made, the latter by me. — An ominous rather disapproving silence!

I expect daily letters from Braun — when he will have to say what was done with the microscope. —

(note Cereus)

That "Cereus Pecten Aboriginorum" is curious — but you go too far in saying it is "entirely unlike any other Cactus"! Look in Cact Bound at C. Emoryi — from San Diego — here the ~~flowers~~ fruit & seed are only smaller but probably allied plants. But are the brushes, bristles, elastic enough for any such purpose — they are mostly brittle.

How can I give you an "opinion" without seeing the Corpus delicti? Send by all means! And — the best thing would be to send the Cacti, all — to be returned within 3 weeks — before the growing season commences! What say you — if your Bureau can not conscientiously do it, I must pay for the privilege to name your plants!

I want to see that jointed Cereus from Guaymas or Schott?

Yours ever G. E.

Do you say it is a "large spiny or spiny Cactus"??

Of course you have a pigeonhole for me which you will not

GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., April 1st 1879

My dear Parry

There are the packages from you, sent by Shaw, and there are two from Curtiss from Florida — none were opened till I gathered resolution and undid your bundles today! I am so listless, so good for nothing! And here comes also a letter from Watson, the first in 3 months! I thank him for his forbearance, but perhaps it is well that he should commence to stir me up.— —

It is not only all that has befallen me within the last winter, but it is also bodily misery a severe bronchial affection — loss of sleep, of appetite, I get tired from every small exertion, and it is high time that George's recovery and my own should make me a new man! George is out of bed, but yet unable to leave the room or at least the house.

Your Agaves look most of them as if they would grow, but the Cacti, at least the larger ones, and all the Opuntiae are dying or dead.

Do you want the names of your Mexican Pines — I am familiar with them; but the Cypresses I can not at once name. The Ephedra pleased me much. None, I believe, is known from Mexico, except antisyphilitica from Northern Mexico. But I suspect I have seen your new species before, among Wright's Boundary plants — but seeing only a single specimen, I did not dare to pronounce it new, or describe it.

Of the Oaks I can not say any thing. And, pray, where are the notes ??? Lemmon complained the other day that I sent him 32 hooks, but I shall have to harry you with a thousand, if you treat me thus. What good can that printed label do which is just as good for a Pine as for a grass? — The full notes, pray !!

My energy as well as my subject is ~~it~~ gone, evaporated, and I close.

Pray give my kindest regards to Mrs Putnam. I shall answer her good letter when I am better able —

yours truly

GEngelmann

That Nut must be the Pecan, olive-formis, itself; foliage of the walnut I have not found yet.

Tell Duncan to take better care of himself — but I suppose, he, like all boys — my own included — know best a great deal better than older heads

P.S. I just this moment get your [illegible] cones!! from Provo & [illegible] alba or Engelm. (both from Colorado ??)

Pater peccavi The ♂ is here, was in yesterday's hurry overlooked; and it has a peculiar character, which must be compared with other species (— or specimens! — for perhaps an individual, not specific character) viz: the little ♂ aments are terminal on elongated branches. In Virginiana and occidentalis they are on short branchlets laterally. yours G E

Look out for flowering Juniperus, and the young fruit of those with biennial maturation — All of Junipers are desired

United States
Postal Card.

APR
3
3 PM

ONE CENT

WRITE THE ADDRESS ONLY ON THIS SIDE—THE MESSAGE ON THE OTHER.

To Dr C C Parry care of
J. E. Johnson Esq St George
Utah

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MISSOURI BOTANICAL GARDEN

GE KANN, M. D.
3003 Locust Street.

St. Louis, Mo., April 14 1879

Dear Parry

Here a list of your Conifers. I have no mind and no time now to study Euphorb or Quercus – You placed both Caryas under the same number 835½ One, a leaf specimen with good fruit is evidently our Pecan, C. oliveformis.x But the other, of which I have only fruit, is very different. Fortunately a part of 2 leaflets adheres to my plant. It is from Alvarez (where is that). It is evidently between alba and tomentosa but different from either. De Candolle (1864) knows no Carya from Mexico, except tetraptera. Does the wood specim refer to the ripe fruit or to oliveformis?

I forgot to say that box and bundle came safely – George is delighted with his playthings. He is out since one week and seems to improve. I myself am all right again but dull and listless. It pained me to see how little your plants seemed to interest me, when I opened the bundles. I

x and may be C. tetraptera, Liebm. which I think
the oliviformis mexicana

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was pleased to see that you had arranged the genera so well, and wondered who assisted you — or did you make all the necessary studies yourself?

The long cone and long leaf Pine is also Pinus Montezumae, the genuine article. Palmer was cunning enough to get a young cone on the branch. — but no Arceuthobium.

No Notes No dates No localities

When you come I will show you Gregg's full notes!

Of course plants without names, are much less interesting, but we have to wait and be patient — perhaps the names will come in my life-time!

I can not come to you, so you better come here, but I must+

"When your parcels go on, I will write more fully" C.C.P. I am waiting!

+ say that I am the bondsman of Watson & Whitney, and all the work that is in me, belongs to them, untill my part of Flor. of Calif is done!

And now good night!

Yours truly

G Engelmann

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April 18

And, just like him, no pleasure of what he has got, scarcely thanks, and the gruff question: and where are the ♀? Hooks, Hooks, Hooks!

Tragia 1 seems an Acalypha and 2 an Aphora, now dubbed Argyrothamnus. shall send it in a few days back to San Bernardino!

Got yesterday 2/ Photo plates for Agave paper from San Diego — quite an ornament to our Transactions. — Working hard at Quercus, after doing Castanea for Calif. Bot.

GE

POSTAL CARD.

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WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

Dr C C Parry
Box 77
San Bernardino
Calif

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BOTANICAL
GARDEN

Geo. Engelmann, M. D.
3003 Locust Street.

sent
St. Louis, Mo., April 20 1879

Dear Parry

'no peace for the wicked'! — Last night I sent many remarks and questions To day I have more to add.

I think fruit and seeds of both Opuntiae, 281 imbricata and 282 tunicata I have straightened but with the fruit of 281 was one, about same size and form, which on close examination was closely covered with 80 or 100 areolae without bristles — and was all over pubescent. It is a Platopuntia — but what? Apparently near O. microdasys *

Among those Echinocerei 273 of which I distinguished already 3 I find a fruit with the label "specimen sent to Shaw" which fruit is different from the 3 others — a fourth one from Palmer, now turns up under that hapless number!

277 Echinocereus with decidedly purple (you say "light rose") (therefore most probably diurnal) flowers must be the same which you figure under No 1 — short flowers

278 is the Echinocereus marked by you No 2 with long bright red (therefore unchanged, not diurnal only) flowers. The seed of the latter seems to be a package sent in Aug with Arnold — is it so? ~~or does the seed~~ belong to 277? ~~Only one seed package for two Echinocerei~~ yes

* That pubescent fruited Platopuntia is a puzzler. If the (very mouldy) seed is good we will raise it — "if it takes the whole summer"

I find no fruit of Beschorneria, but you sent them in a letter last year, unripe seed

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In May you sent a single fruit of an Anhalonium? nothing else ??

Yours of April 16 just in — in answer to my first bugle sound, I suppose

Ephedra antisyph. was also collected by Gray. Watson sends today 18th a note about them. They are difficult and must be studied ab ovo, mere looking at them and into the books wont do. How high does your E. pedunculata grow? full notes! — It is a comfort to have Brewers note book to compare which I have since just now here for the Calif. Pines etc. Of course much of what he says is superfluous (e.g. "leaves in 3s, 8-10 inches long," when the specimen itself is before me) but many other things the specimen dont show. Lemmon has sent another batch of specimens, but as I told him I would buy his set if the specimens were full and excellent — he declined! did my question imply a doubt and was it offensive? —

And now, April 19 your batch of seeds and notes in. What shall I do with a million seeds of Chilete? —

So, I have no flower of O. [illegible] — flower still unknown yet — but then, seed is there — a step forward in 40 years, since the plant is named and introduced — perhaps we will have in another 30 years a flower!! So we go, leave enough for those that come after us!

Your Mexican Coll. has to be settled down untill I can get names — Euphorbia perhaps excepted and Asclepiads — but first now to the work for my taskmasters!

So I will get foliage of that Carya — glad of it — but of Juglans you only sent me nuts in fall — I never got foliage!

More anon, as I find cause for questions and grumbling

Yours ever G.E.

If you write notes on Cactaceae or other plants, write only on one side of the paper, as I have to copy in arranging, all that is on 2d page!

GEO. ENGELMANN, M. D.
3003 Locust Street.

St. Louis, Mo., ... 187

Parry

I know and you might also have known, that more was coming.

Watson wanted my views about Ephedra and as I had given the Genus a good deal of attention (as an appendix to Conifers) I had accumulated a good deal material & drawings etc. — So, the right chord being touched, I set to work this quiet Sunday after I had seen my few patients and finished my dinner (important proceeding!) and overhauled all my Ephedra.

Your Rio frio plant (1851) and that 505 from San Luis [when and where collected? how large a bush? what its appearance? could it be a form of the common one, grown under peculiar, favorable circumstances, such as shade and moisture?] are identical and I propose to name them pedunculata.

Then we have E. variabilis n. sp. with 2 and 3 leaves, membranaceous (rarely [illegible]) bracts in ament, otherwise similar to antisyph. — Here yours from Frontera April 1852 Arizona Coues & Palmer, "10-16 feet high" St George Parry 249. How large etc etc ???

Probably distinct from this by its exceedingly large bracts (membranaceous), is your Utah 250 — if not an overgrown form of the latter. Do look it up in your Coll. and give me your views and recollections.

And then comes E trifurca of Torrey, which your name, but I do not know whether you collected it at El Paso, but suppose so. The El Paso sp. (Wright 1884) is scarcely in flower yet, we have no ripe fruit nor good flowers of it.

What is the exact locality of the two Utah forms, your 249 and 200? How to look for them? when were they collected? when is fruit expected?

I am almost ashamed to send this off already. These letters come too often for your comfort! But then, let it go!

yours ever

G. Engelmann

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Geo. Engelmann, M. D.
3003 Locust Street.

St. Louis, Mo., April 28 1879

Dear Parry

Thanks for your Ephedra notes. I got a letter from Watson today, saying that his MSS on Ephedra is finished, and that he disagrees with me in many points. What I called scariosa and [illegible] he takes for same, which I do not understand etc etc —

I also got a letter from Hooker with one from Mr G Symes who studies Conifers very attentively — also criticizing my doings — The California Abies and the Colorado concolor are certainly distinct, they say; Bark of the California tree (what they used to call grandis, and what would be Lowiana if distinct) they say is red, like that of magnifica, and the Colorado concolor white.

Now I thought I had a bark specimen from you from San Bernardino, which was gray not white nor red — but I can not lay my hands on it now. But I have bark from Lemmon. One of a very large tree is 2 inches thick, deeply cracked, gray outside and red inside. Those of a young (12 inch) tree is whitish — whiter than in magnifica of same diameter.

Have you distinct recollections? Hooker writes that he could with difficulty distinguish

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the bark of Lowiana and magnifica.

But here comes a letter from Bolander 1869 when no such questions were raised:

Grandis [of the Calif. botanists] Trunk gray white
the most abundant fir of California :
"white fir" poor timber — 3000 – 8000' alt.
amabilis [now magnifica] trunk cinnamon
brown red — therefore "red fir" — excellent
timber — alt 7000 — 10,000 feet.

So you see, I can not pass a week without writing to you!

Give me your impressions about those Abies barks.

I am supposing that Hooker gets young cultivated trees and of native ones the lower branches; the old branches, such as Lemmon sent me a fresh one last winter have broader, shorter thicker, more glaucous leaves. I send the branch at once to Hooker!

George is in the country and finds that he is quite weak yet.

Yours truly

G Engelmann

I forgot the most important, I learn Agave Parryi in bloom, fully corresponding with Dr Lemmons description, short tubes full of delicious nectar, only too little to satisfy the Gods, but enough to drop down on hands and clothes! Where is Greene?

GEO. ENGELMANN, M. D.
3003 Locust Street.

St. Louis, Mo., May 10 1879

Dear Parry

Has Op. tunicata, 282, a fleshy, or pulpy fruit, or dry? The former seems probable from the specimen. I write to Barroeta for the flowers! I ought to have thought of that sooner.

"Op. Tuna" is the edible one and cultivated, and eaten as I understand you: but it seems to me different from Op. Ficus Indica which is cultivated so abundantly in Italy and Sicily. There are probably several edible & cultivated Opuntiae.

Are both Echinocerei (277 with short rose flowers and 278 with long crimson flowers) called Alicoche, and have same fruit? You send the fruit of 277 only, of 278 you say you have no perfect fruit but I find an immature fruit torn open among my specimens of 278, which may belong here.

This was written over a week ago!

Yes You or rather Mrs Putnam would have made money out of A. Parryi — we did not — and aside of my study of the mellifluous flower I would have passed without further ado. But your suggestion of a Photo aroused a little zeal in me and it so happened that the plant in full bloom (all the branches at once! with its golden yellow blossoms on the deep green ovaries was really a grand sight and took over Mr Shaw's fancy — so he had no difficulty to consent to a photographing it — and I shall also get a photo of a single branch — larger size.

I send you today also a copy of my articles

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for Rothrocks botany of Wheelers Exp. in which you will find Oaks and Pines etc. discussed;

You have a very provoking way of not answering questions — some times! — You just ignore them! They are not put for such mean uses.

A. Parryi corresponds perfectly with Rothrocks dried specimens and is charact. assigned and distinguished from the majority of species by the short tube (lobes twice as long) and insertion of stamens in the throat. If the Photo turns out good enough for you you shall have a large and a stereoscopic view.

More anon!

Yours ever

G. Engelmann

Remember me to all the Putnams, [illegible] and what is Duncan doing?

Lemmons papers I have got, except part of his mss. and decline responsibility for every thing. — His note about back of corolla corresponds with his specimen in my hands (from same tree as Vaseys). — I have a sharp controversy with Hooker! written him a long letter, defend my position!

Have another fight with Bentham, he wants to make Phoradendron juniperum an Arceuthobium, No go!

Will send A. Parryi Photo to Gardeners Chronicle, who will engrave it. Our Engr. wants 100 dollars for plates for Acad. Trans, which is too much.

GEO. ENGELMANN, M. D.
3003 Locust Street.

St. Louis, Mo., June 20 1879

Dear Parry I have not thanked you yet for your Ephedra notes. Watson seems to have done Ephedra and does not adopt my views; and I have now no time to more closely examine them, to see who is right.

I enclose you a bracklet of your Frontera E. trifurca, which is very distinct from my ramosa, as you will see; bracts longer stipitate & entire, whole growth erect — ramosa has short stipitate rose-denticulate bracts; Watson takes it for a form of what I named variabilis. My pedunculata (formerly podocarpa) he takes for the true antisyphilitica, etc etc.

There seems to be no female sp of 251 and the male is not yet in fl. Little to say about it.

I put the Ephedra with your bundle, which is too small yet, to send — Platanus in it, etc.

Well, after many weeks, since this was written I can only add Agave Parryi and the Photo, which you can compare with your old one, taken in Arizona. It is not as good as I should like to have seen it, but it was a windy day and could not be improved. The bloom was then bright clear yellow and almost all the branches blooming at the same

So Johny Putnams suicide is confirmed I learn! Terrible for the family, the poor, good, mother especially — I must write her. Tell me all [illegible] you know.

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time, so that Mr Shaw himself acknowledged it to be magnificent.

Thanks for the different notes, names etc recd from time to time; I have now sent off Juncus for Fl. Calif. but Conifers are not yet worked up, a labor now before me, before I can think of any thing else. As soon as I can, I shall go East, probably to some sea shore with George, whose health is improving rapidly.

What are you after this summer, what are your plans for next spring. California and Arizona together? —

The Abies war has extended to Picea and Hookers and my letters are fired off rapidly. I had a large play with Bentham, who would perforce place Phoradendron Juniperinum into Arceuthobium. He has given up now the first, but wont admit the dehiscence (circumscissile) of Arceuthobium, which he will have to do to.

About Picea the fact is that those 3 species Engelm., pungens and Sitchensis are distinct, but the other fact is not less true, that the leaves form no absolute distinction, but vary very considerably. Siler, who keeps poking things at me, for which I send him always a little more than the postage, sent the other day a P. pungens with square leaves like Engelmanni: the cone which fortunately came along and the thick (nearly glabrous) twigs showed what it was. And worse still Lyell gathered in 49° parallel a specimen labeled Menziesii, with the broadest and stoutest leaves of pungens; but the pubescent branchlets and small cones of Engelmanni!! — So: leaves no good! — Do not let me wait so long.

Good bye   yours GE

Can I get my Wheeler plants?

GEO. ENGELMANN, M. D.
3003 Locust Street.

St. Louis, Mo., July 11 1879

Dear Parry

your P.C. and list of names have come to hand. Thanks. Yes, I did not know what had become of you! Your proposal to take Davenport in is not bad, I had thought of it myself — The situation is a little complicated.

First of all, George is going to marry, his gentle nurse of last winter is going to be his wife next week, (and I will not expect, his life long nurse!) and they are going to the coast, both needing recreation, relaxation and recuperation. I was to go with them, and George had it all arranged with Gray — taking charge of me and my affairs! That of course could not work. I did not want to trouble the young folks who may as well try to get through life together without "the governor". And then I had, as you know, promised Watson and Whitney work for the Calif. Flora more than 6, yea 9 months ago — That terrible winter broke in on my arrangements and I succeeded only last month in sending off Quercus (by the way, I restore Newberry's name of Q. Kelloggii for the later Sonomensis). But here I was taken sick again, cold, fever, catarrhal affections, entirely unable to work and now a cough a good deal worse than that at Bethlehem, keeps me from sleeping, and Pass troubles me, actually keeps me from decent society, and would not permit me to enter a hotel or a sleeping car. It has something like hooping cough and asthma! — I am a perfect nuisance to myself and to others. I can not work now — and then, the heat is so debilitating, and still feel in honor bound to finish Conifers. I work a little at P., plodding away, as Gray would call it, without vigorous progress.

Well Matters thus stand thus:

I will stay here till I can finish Calif. Conif. (sooner or later) then I have a mind to come to Davenport spend a day or two with you, (without accidental additions and interference) go east to meet George and his wife — stroll around there, look into peoples privacies spy out what they know about Quercus, Conifers or Cacti — spend a few days in N York and especially with Meehan, with whom one can always learn a good deal — and come back — I shall practice medicine only among old friends and families who will persist in calling on me in preference to the younger ones. And probably something else will turn up, to tackle — but I fear my time is short — I feel that I am failing — past 70 now! —

If we should conclude to go to California next winter it is just as likely that I would go as a health seeker than as a botanist! And that a nurse would be as important a companion as a botanical friend — and indeed perhaps more so.

Write to me soon. I shall not be able, I think, to leave Pinus ponderosa and Lambertiana and all those fellows during this month — and if my health is not better — during next!! Too bad!

Yours ever Engelm.

Geo. Engelmann, M. D.
3003 *Locust Street.*

St. Louis, Mo., July 17 1879

My dear Parry

I am savage, and you better look out, before you invite me. This horrid cough wears out all my christian meekness. It is a sort of Asthma – Larynx disease etc, and the trip yesterday in the over excessive heat, dust, coalsmoke, and the sudden change of temperature last night did not mend things.

I would not have written at all now, because I can not say any thing — just got the Proof of Quercus, and ought to write pines; want to, but am now not able – hope to be in a day or two. If I can, it will be done.

But I must write about Pinus insignis in San Bernardino. How is that? How, that I hear of it now for the first time? Which is it insignis? It would be against all rule and regulation! P. insignis is (or has heretofore been) confined to the seaside. Are you correct? can it not be tuberculata or muricata (which occurs sometimes without hooks and spurs)

Yes George was married yesterday and must be in Cincinnati to day. He reminded me, which I had forgotten, that his bride had been with him at Davenport a few years ago!

have you got a few leaves? — "No, I did not think it necessary; every body knows it" — It is well for me that I must write; if I had you before me and talk to you, I would be immersed at once into all sorts of coughing fits — now it is only the hand, not the mouth which scolds!

But is it insignis? and from San Bernardino? — found by yourself? or some other rascally cone-pedlar?

Yes, if I do come to Davenport, I dont want parties, meetings, excursions but I want to spend a day or two (or if you are pleasant, three) with you and nobody else, and may go thence up the river to St Paul, Lake Superior and down the Lakes etc.

I had today a kind letter from Mrs Putnam, intimating that she might send Duncan along with me. Question whether I would like it or not — I am so absolutely solitary now — no where as well pleased as in my sole company — — misanthropical?

Lemmon could give us a deal of information about Shasta.

The Abies & Picea fight quieted down a little now. A side show with Bentham about Arceuthobium is also settled in my favor.

yours truly G E

How would I get to you from the landing of the boat? Take a hack — to where?

Geo. Engelmann, M. D.
3003 Locust Street.

St. Louis, Mo., August 2 1879

Dear Parry

Your P.C. of Jul 31st makes startling announcement of Agave Americana having leaves from 8 to 36 inches in length and this for the first time! How could you travel a year in Mexico and not tell me anything at all about that? Why, even if you succeed in unloading all about that 865½ thing on Palmer and thus escape, you will not be able even to wash your hands or skirts of the neglect of Agave Americana and its incredible variation. Why — how is it recognized at all? — It will become necessary to lay the matter before President and Congress and to send a Commission to Mexico to investigate that matter. What say you? If they will give us half the money which they pay the Commission, which going to California is now investigating in Chicago, why the country is not more prosperous and learning that we must have more money more money and again more money! Well, with half the money they expend we could investigate that Agave question to good purpose, and write a neat report!

So are the millions to our Treasury then! Kind

Well, that is neither here nor there. But there comes a letter from Gray, that they have George and his wife there, are delighted etc etc — but want me too — Mrs Gray to cure my cough, and Gray himself to stimulate it — and Watson to screw me down to Compos. (I think that is the most essential part for them) — And want me to come right away!

Ought I to abandon Davenport, your Academy (reception and all) and you? No! I shall take my time!

But I have the preliminary work nearly finished, and will probably able to leave about 8 or 9 — will see, will write again and send postals.

I have a great mind to avoid Railroads, go up to St Paul — Duluth and down to Buffalo, then by rail to Cambridge — a rather circuitous route — but I fancy it!

A letter from you will find me here yet if mailed at once!

You — more sure — never mentioned the stink of that Agave, and that startles me, because nobody mentions the same of A. guttata — which could not have been overlooked. Well we will leave it all to Hemsley.

Yours truly
G. Engelm

That was quite shabby, that you robbed the Academy of the glory of the great Mexican and outlandish Herbarium — !

Geo. Engelmann, M. D.
3003 *Locust Street.*

Cambridge
~~St. Louis, Mo.~~, Aug 18 1879

Dear Parry

O, how well, I did not go up the Mississippi, nor on the Lakes, if the weather week is the same as here: It rains the whole day and is cold.

I had a good passage here as it was not warm nor dusty. But not withstanding expectation I was stopped at the suspension bridge, and what better could I do than go to Niagara, where I tested my abilities in tramping over Goat island etc for 4 hours in the wet and scarcely getting worse in cough. Vitis, Taxus and other things arrested my attention.

~~By some stupidity I forgot in Davenport to separate my things in the pigeonhole, those that were to be sent to St Louis and what I wanted to take with me.~~

~~Could you make a package of it — picking out yourself what you think I need here. — Or as it is nothing, if I recollect right, of specimens (Lambertiana e.g. I do not want here,) & as my notes are~~

All this trouble for nothing, I find the things I wanted, safely stowed away among other papers!

sufficient, these only might be sent by mail — Please look them over at once and send.

Lemmon sent here a fine specimen of P. Balfouriana under the name of flexilis, so that riddle is solved. And moreover Any one would have called that Shasta (original locality!) Balfouriana with half grown black cones: aristata with rather shorter awns and longer cones!

We better call this Juglans mollis in place of tomentosa; not only a more appropriate name, but avoids any possible confusion with Jugl. tomentosa, Mich x (Carya). -

You may add also
(~~With number~~ 235½ 4/2) Carya oliviformis, Nutt. (put here locality and whatever notes you may have and add:) Carya tetraptera Liebm appears to be a third Mexican species, which, from the description, seems to be ~~intermediate~~ closely allied to oliviformis.

I am in to find Palmers late things here, the big nuts etc.

I hope you are all well and prosperous; remember me to all yours and to our friends.

Yours ever

G. Engelmann

GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., Aug 28 1879

Dear Parry

Got your card, well, you will have to drink the milk for me and if you can not undertake that, look at least at the oaks for me.

Here I have not seen an Oak yet, nor a pine either, except pungens, the blue, in the Garden!

Working hard to finish Conif. Fl. Calif. which must be done by tomorrow.

Feel much stronger, whether owing to the one seabathing I had a week ago or what, I do not know!

I enclose capsules and seeds of Plantago major! which grows here, but more sparingly than P. Rugelii.

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you can compare the short tops of capsules and small seeds with your Rugelii

My plans are now to go with my children to New York and Cape May, see Meehan in Philadelphia and return here for work of my own, before I go home

Remember me to Mrs Parry and your folks

Yours ever

G. Engelmann

GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., Oct 14 1879

Dear Parry

At last home again, and as lonely as when I left 2 months ago — for George and wife are not yet back, though expected.

I hear nothing from you, though I have written you from Cambridge. I roamed about a good deal — Phil'ad. N York — several sea bathing places — and then again in Cambridge. Gray is very busy at Compositae for a new volume of Flora Am bor. He says, he must do that himself and if he should not live longer others can do the other parts — but he must do Compositae! But he is quite well and active — though easily suffering from bronchial affections.

He thinks it easy enough to get free passes in California but difficult to obtain them to Calif.

I mail you the short outcome of long labors and hope it will be satisfactory. I also enclose the promised inaugural dissertation!

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I have several new labors in hand but feel not yet well settled and in working trim. Yucca is one, Isoetes another —

Remember me to your folks most kindly and also, of course to the Putnams. I hope they enjoy their Grapes, as they did last year!

Yours ever

G Engelmann.

Life is too short to write slowly and writing rapidly makes poor reading!

How is Hemsley getting on?

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GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., Nov 15 1879

Dear Parry

I thought I was a very good correspondent, but you seem to think otherwise. How is that?

What about that P.C. list of leguminous plants?

Why does the parcel not take the trouble to come here, if it wants to see me or be seen by me? I did not know that any thing was back. So much better.

I told you that for the last 2 or 3 months I have been in active correspondence with Hooker and Bentham, lately especially with the latter about Coniferae, their genera etc and have at last the satisfaction to learn from him that in all essential points he has given in. But Gray and myself did "hammer" at him (Gray's expression!). He was quite gratified with the receipt of the reprint of Flor Calif. and adopted the Genera as there laid down – Quite a little victory over the common English notions.

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George had his finger amputated 3 weeks ago and is now quite well again, and we hope to get at last in train. But my professional practice has received a bad blow by these repeated absences ~~are~~ so much better for botany, you will say — But I want a little variety

I hope California will give it to me next year.

I am now immersing myself again into Conifers, filling myself up, brim full, so that a good work on the genus Pinus will at last gush forth, clustering around Pinus Elliottii, which to this day remains undescribed.

But now I have told you that I live and work — and that is enough for one day

Yours ever

G Engelmann

How does Duncan like his change? Wont it make him sick again? "how does Winter serve you?" Why, we have no winter, and I am first rate, with 71 !!

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Geo. Engelmann, M. D.
3003 *Locust Street.*

St. Louis, Mo., Dec 16 1879

Dear Parry —

Are you "the stout, well fed and well paid first explorer" who hunting for gold or for squaws stumbled upon most of our flora, which they had the wit to preserve" And thus on. That is Lemmon, who complains that I have not given him credit enough while those (I do not know to whom he alludes) fat early ones skim the cream off. I wrote him today, that he must have had you in his mind's eye, as his diagnosis tallies about as well as a good many that we read — and that we would have a good laugh at him. Now if you write to him you can give him and his little vanity a little notice too. Your Yucca & Agave came today. Thanks, at least for that long slender spike, which Barroeta did not send me; it looks like one you collected. The fruit, to be sure, looks like A. Americana, but the leaf is so different. Well we will have to leave much yet. B. sent me a dozen fruits. I must scatter them over the inhabited and un inhabited globe! —

I can come down from my bedroom, but not leave the house yet — [illegible]

Your Pinus Parryana specimen is not yet in flower, and can therefore not have been collect^d July 12th, but, I suppose, two or three months earlier; the half formed cones on my specimen!

I do not know that I can send you any old pamphlets — have none left, and I believe you have most or all of them, e.g. [illegible] Mem.

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So Duncan is working at Nat. History again! Did his father release him?

I hope you will instruct Dr and Miss Cochran about Agaves! and obtain through them flower and fruit of that curious one — perhaps a plantlet also.

As soon as I can lay hands on that Halenia I will work it up.

I have always something to keep me off my regular work — today came a package of plants from Dr Gattinger from Nashville, Lots of Solidagos, Asters, etc, two rare Petalostemons and both Leavenworthias; many nice things; Colorado plants from Mr Jones to name. I told you I referred him to you for South Utah information.

Any thing about your eastern plans matured?

Yours truly

G Engelmann

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GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., Jan 12 1880

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Dear Parry

Just got your paper with Acad. Proc. Thanks and congratulations.

I have not written for a thousand and one reasons, with which not only I myself can cloak laziness. But the principal one was that I wanted to send you my account of Cuscutae which in the hurry at Davenport last August I had done up all wrong. There is a very nice new species among them, one of the very few, which have come up since I finished my paper on the Genus 20 years ago.

It bears no number, at least with me, but was what I designated as Jalapensis. The nurseplant I can not distinguish, nor do I know locality; I name it C. mitraeformis.

Your 631 a b c, 1, 2 etc. is bother and both what I called C. tinctoria in Schaffner's, 631 b I believe, is C. Jalapensis most probably, but not a single flower to be seen. C. americana is also in Schaffner's 631 c and another one, which you sent in a letter from Vasey.

Hurrah for the new Cuscuta! It warmed my old heart!

Thanks to Gray for his note. His Carya [illegible] (Buck) is a double nut in a single involucrum. I have seen that before.

I joked Lemmon about his lugubrious letter and here is his answer. He dont seem to have understood that I could never call you a fat and lazy man, feeding on government pap. But he seems to be a misanthropical fellow, sick, I suppose.

Well now, are your plans more matured, and when will you come here?

Mine are not mature at all, and sometimes I feel as if my health would not permit the trip at all. I am still somewhat lame, get in the buggy, or down stairs with some trouble. And then, I find that I am so slow in finishing what ought to be done first.

Here comes also Sargent, who is to take the Census of the forests, wants to come here and possibly go to Texas and Florida this winter, desires me to go with him. Nice? but to botanize in winter, even there, is not exactly the thing — These plans are not mature however.

Thanks for the full notes about Palm Canyon. You have a little of my weakness. When you live long enough — a hundred or so — you will do a great deal yet and unearth old buried things — I fear it is the same with me.

Return Lemmons letter — it is hardly worth while, however, to send it.

Remember me to Mrs Parry and your friends, also the Putnams; Mrs P. is more lucky than I am, in being able to withdraw from the Presidency with some eclat. I stay without it!

Yours Truly G Engelmann

St Louis Jan 20th 1880

Dear Parry Jan 13

here is a second letter from you to day, and the other one of Dec 29 not answered! I am as Sargent says completely demoralized — too much on hand, so that I begin or accomplish nothing.

I see that you are elected Corr. Sec. Acad Davenp. — well, then, it is your duty to "correspond" —

I heard from Behr that you had been there and he gave you information about Dr Eysen. So you will get Carpenteria. Good — !

I had more plants from Greene and more corrections to make; I wanted him to send me 100 species ($ 10.—) of new and good things — some are very fine and new I do not doubt — others are old friends. —

Well, I am glad that poor L (Prof) and wife are "flourishing," as you say — and hope it is so really — not a mere phrase.

When this reaches you, you will have been to Tucson, but am afraid you will not find much chance on the road —

I have got my box at last. The closely packed plants were in fair condition, and very good, where perfectly dry — others were mouldy — also many cones and woods — Batis is not dry yet. All my spare time is occupied with

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labeling, arranging etc and I am not through by a long shot. I used to get and write two letters a week at least from and to Sargent, but have not answered since New Year. Hate to say anything about Abies, until I can carefully and leisurely reexamine them, which is impossible now. — Lemmon's concolor from Mt Graham is exactly like the Utah & N. Mexican forms; but . . well I wont say any thing about surmises or guesses.

I also found seeds of the rare Cleomella trichocarpa and will try to raise it — C. pubescens would be a better name as it applies also to the non fruiting plant, which is roughly pubescent all over.

I hope you enjoyed Strentzels "Alhambra" and Muirs conversation.

I stand the cold weather and what is worse, changeable weather, very well, but am more careful than formerly, though I have to go out occasionally at night

As I do not know whether I can bring back the napkin, I send it to day.

Remember me to your Ladies and to our friends Wright and Parish. — Thelesperma is certainly a good species. Write soon again

yours truly
GEngelmann

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GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., Febr 11 1880

Dear Parry

Our letters crossed each other a month ago, but since then I got another one from you. I have been very busy in finishing my ten year old paper on Pines in general and Pinus Elliottii in particular. It is now in the printers hands. If others were as slow as I am, science would not progress much! Well, enough of selfaccusations! It makes one feel mean or it results from a mean disposition bad, weather, constipated bowels or whatever else.

Sargent was here 3 days and we talked a great deal about trees but did not arrange much. He wanted me to go with him to Alabama and Florida, but it would not do; I could not afford the time and I would not like to run after botany in winter. He says he will be here about July 6 on his way to San Francisco and thence to Oregon and wants me or us to go along. Watson is going for him to the Cascade mountains. I could not say yes or no.

I had a note from Greene from New Mexico, he asks about our plans, would like to join.

Unfortunately my knee will not get well. I go about but feel weak-kneed, dont know whether I could crawl down that Empire wood slide now as nimbly as I did 5 years ago!

Have not seen Dr Cochran, nor heard anything more of Palmer, since he got the maps from me at San Antonio. If he only gets well among those pines to and at Cosiguiriachi!

Brandel is wrong, I am 71 past!

I return you the Agave prints — very primitive and not much to be made of them.

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I ought not to write to you without being able to give you an account of that Halenia! but that might be too long a delay.

Having finished my big job, I propose to begin another one, the Genus Isoetes in U.S. History, Geography etc. But before that is begun, I must have a little play time — and there your Halenia may come in — a splendid monstrous cone of Sequoia, which I just got from Hilgard in California and other little varieties may keep me pleasantly occupied.

That Mexican tree Yucca seems the same as the one, Thurber brought from (Parras?) and figured. I took it for a southern arborescent form of Yucca baccata, but it may be distinct. It is probably in cultivation in Europe, but I do not know under what name; perhaps the one that I have seen in Italy in Gardens etc ~~under~~ Baker names some forms ~~the name of~~ Y. periculosa and polyphylla. see my Yucca paper p. 46. —

There! You have a letter, such as it is, and now you may answer it if you can.

Yours ever

G. Engelmann

I just got your letter of yesterday and open the already closed envelope to say that I expect to hear from you soon, when you will be here (with Mrs P.?) The Parisians have sent me some Cacti, Echinopsis among them — sterile pairs! Also a new Mamillaria
Call that Yucca f.t. Y. baccata var arborea.

(On two American species

Exadenus was established by Grisebach (Obs. Gent. 36 and see also DC. Prod. 9. 127)) but was united with Halenia by Benth. & Hook. Gen. 2. 818. It appears however to be well distinguished from Halenia by the structure of the capsule and by the form of the seeds. The capsule is for the greater part (as far as it is placentiferous, to near the tip) distinctly bilocular, the placentae protruding from the centre of the dissepiment into the cells. In Halenia (I have examined H. deflexa) the ovary and capsule are unilocular, and the placentae strictly parietal. A still more important character I find in the seeds. In Exadenus they are globular, only about $\frac{1}{4}$ line thick, and reticulate, like those of Erythraea; in Halenia they are larger, oblong, and with a smooth surface. In the Botany of Wheelers ~~Expeditions~~ Exploration of Arizona etc p. 190 I have insisted on the importance of this seed character as separating certain genera (e.g. Erythraea, Sabbatia, Chlora, Sebaea, Eustoma a. others) with minute reticulated seeds from all others. But here we have two genera so closely allied as Exadenus and Halenia differing in this essential point.

The anthers in Exadenus are, like those of Halenia, Frasera, Pleurogyne and many Gentians, versatile, but not, as Benth & Hooker have it in all these genera „saepissime extrorsum reversae". This is the case only after they have ~~shed their pollen~~ become effete ~~as~~ I have shown in the same work, p. 191. note; ~~before~~ when the flower opens they are always introrse, and while they burst and shed their pollen, they slowly turn over, and when effete hang down lazily and sidewise on the back of the filament.

The species of Exadenus seem rather obscure. The few specimens which I have been able to examine may be thus differentiated.

E. parviflorus, Gris.? caule stricto quadrangulato; ramis abbreviatis; foliis infimis lineari-spatulatis obtusis, superioribus linearibus; calycis segmentis linearibus et corollae lobis late triangularibus tubo brevioribus; glandulis parvis extus convexis; staminibus medio tubo adnatis. — Chiapas, Mexico, Ghiesbreght, 618.

E. longiramens Engelm. n. sp. caule stricto quadrangulato, ramis elongatis; foliis lineari-lanceolatis, superioribus linearibus; calycis segmentis lineari-lanceolatis et corollae lobis ovato-lanceolatis tubum aequantibus; glandulis parvis, extus convexis; staminibus

verte

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fauci vel paulo infra faucem adnatis. — Parry & Palmer, Mexico, No. 600 in part (the flowering specimens). Size of flower intermediate between the last and the next.

E. brevicornis, Gris.? Caule stricto infra alato-quadrangulato; ramis breviusculis; foliis infimis ovatis obtusis, ceteris lanceolatis; calycis segmentis lineari-lanceolatis et corollae lobis triangularibus tubum aequantibus; glandulis extus protrusis obtuse conicis; staminibus fauci adnatis. — Parry & Palmer, Mexico no. 600 in part (the fruiting specimens).

St Louis Febr 12 1880 G Engelmann

Geo. Engelmann, M. D.
3003 *Locust Street.*

St. Louis, Mo., April 7th 1880

Dear Parry

Yours of 4th came to day. Meanwhile I have received from Palmer a long letter from Saltillo and more live plants by mail; and the announcement of a whole box full of things. Too much of the good thing! I wrote him that he should not send any more in summer, as I could not take care of them. One of the things he announces is a large Agave Vt. which ought to bloom. It ought to come soon. He also sends a cigarbox with capsules remnants of flowers etc of same to Cambridge for me. If in sufficiently good condition, the plant can then be described.

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Are those leaves you sent ~~two~~ 1½ years ago full size ones?

We are improving not rapidly but slowly and may be all right in summer.

My Pine paper is out at last but I send you no copy now — will send two to Davenport for you and for Academy, — will have to send lots to Philadelphia.

The large plates made it desirable to have the whole in folio size, which makes it look very pretentious, rather annoying to me.

BOSS and all the annexes send their kindest regards

Yours truly

G Engelmann

That find of Gentiana setigera at Vaseys is good but puts us to sea again! When you are sure you must write to Patterson

Geo. Engelmann, M. D.
3003 *Locust Street.*

St. Louis, Mo., May 5 1880

Dear Parry

Got your postal May 3d today & letters a few days ago. So Hemsley has given up his Agave braviflora. But why not look at Carya? Had he no specimens? Got also a postal from Greene; he can not find flowering Phoradendron juniperinum. I have answered at once, comparing him to [illegible], who since 2 years is hunting (??? more such?) flowers of Opuntia [illegible] and can not discover them. Parish is a better man, he sends now flowers, fruit and skeleton of Op. Bigelovii, so that that at least is now settled. But Watson to whom I gave an account of it yesterday, will have told you of that.

And now to your letters seriatim.

You settle the Ephedra with Watson, but convince him of the true state of [illegible] and pseudocarpa.

Thanks for the notes about Gentians. Gray is fighting me also and I give up without a fight.

Newberry's suggestions are good. I had also long since selected the southern Cascades, about the 3 sisters as capital botanizing ground; but whether my knees or my heart will ever carry me there — quien sabe? — As to Newberry's suggestions about the value of species we have to take them for what they are worth. He is no botanist, studied them in the field very superficially and what he says are mere impressions; but then, field impressions are sometimes very valuable.

I have a long official letter from Sargent, and shall

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answer today if I find time. He says he will start about July 1st — I feel as if I could not accomplish what I wish yet to do (Isoetes etc) before 3 months — may be 6 months!!

I learn of the heavy rains and snows west and that therefore the botanizing will be unusually favorable.

Yes, free Passes on all the rail roads! Can't Sargent help? But if possible let the passes be for a year, or at least 9 months, not for one trip.

Meanwhile I am practising medicine and spend valuable time thus — more obstetrical cases ahead!

Let me hear often from you

Yours ever

G Engelmann

That Guaymas Railroad must cut Schott's range and get some of his pretty Agaves.

Agave Victoriae is growing and beautiful.

Mamill. micromeris from Monterey, Palmer, has bloomed and permitted me to complete its interesting history. Wonder, whether I shall live to do the Cacti over again? They need it and nobody cares for or understands them.

Geo. Engelmann, M. D.
3003 *Locust Street.*

St. Louis, Mo., May 12 1880

Dear Parry

I am astonished that I do not hear from you, while yesterday I had a letter from Sargent, ~~aft~~ written after conferring with you. I waited with my answer 36 hours, hoping to get further information from you, but must write now to answer him.

I accept the offer, which is, however, no offer at all: a "semi official position", with the promise to try to get free transportation on the Government roads. I suggested that ~~free~~ travelling expenses should be the least what a great government could do for "semi official" position; but that my observations and my knowledge would be any how, as heretofore, at his or any other man of science service.

I got today the big box from Palmer, sent six or seven weeks ago from Monterey and was much afraid, but on opening it I find Cacti and several specimens of Agave Victoriae in excellent condition, and one of the latter very large and probably going to bloom when I am away!!!

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Should I not stay here to wait for it??

This was a great mail day, a good long letter from Hooker, a longer letter from Gray than I have had for a long time; a letter from Portland Oreg. inviting me there!; and a long letter from Jones from Utah. The season there was 3-4 weeks later than usual and he too early for any thing. Ephedra in bloom when he left. I enclose his letters, which you may communicate to Watson and return.

I feel a little hesitation to expose my 72 to the hardships of mountain travel; but we will see, if I can not get along I will take my "semi official" position at a good tavern at the base of those impudent mountains!

Write me at once

Did they get in Cambridge any thing from Palmer? He said that he packed a cigar box with fruit, stem, and dead flowers of that Agave for me and finding no place in my box he sent it along to Cambridge; I wish to get it at once.

Yours truly

G. E.

Where is Mrs P., with you? Kindest regards. You must have had a letter from me a few days ago

Geo. Engelmann, M. D.
3003 Locust Street.

St. Louis, Mo., June 2d 1880

Dear Parry

Seeing your long letter of May 30th before me, I can not but propose to write as long a one, if you will only read it; but then, I have nothing to tell you of feasts and banquets and great men! Our papers have not a word about the great event in Boston; they are too full of Grant and Chicago. Well there is the great 2d and the "battle of the wilderness" is now being fought — but let them fight! we will not be able to vote for or against next November; just as I did not vote for Grant 12 years ago; we were on the Island of Capri and an Englishman questioned us whether we were not sorry not to be able to vote for that great man, saviour etc. I suppose next Nov. we would have to give the same answer only doubly fortified — if G. should be nominated. But why branch out there? Probably because I have a larger sheet before me, than usual.

Yes, yesterdays note to you and another to Sargent were written under the influence of that Pressbook — (Much ado about Nothing)

And as you say nothing about it, you do not seem to have been more successful with your influential friends east. And we will have to serve the Government at our own expense. Well, as you say, we are the more independent and can give up the job, whenever we don't like it any more.

I have written to Sargent yesterday, that he is now the boss and must give the word of command. I do not like the „seems inclined to make a move soon" etc. Give your orders!

I believe I told you that the stoppage at Salt Lake would loose us the berths in the sleeping Car, and thus be a bother. But if you think not, I am inclined to follow your advice, and meet Sargent at Salt Lake.

I find that I can not finish the work I had laid out for June, so I give up at once and will be ready to start when you say. As you are the great traveller you must be Captain, while Sargent is Major or Major General.

Then Mrs Parry is not going — better for her but worse for us.

Greene I see is in the midst of the hostiles and wont collect Conifers on the Mountains. I do not know where Lemmon is, have not heard from him since New Year.

And here I might close, but as I have

such a big sheet and am not over (only half) sleepy I will tell you that we are not in need of Ice Cream and exciting speeches here — We have had the pleasantest Month of May I recollect, on the average warmer than for many years, but still not over hot, very uniform with few fresher invigorating days, such as today.

Duncan sent me his (or yours) very creditable Academy publication.

Well, if we are to meet at Kansas City (I suppose it is cheaper for you — no! Omaha may be cheaper) or Omaha, you must tell me exactly when to be there, hour and date, It would be more pleasant at Kansas — but I must leave that to you.

And how long could we profitably spend in Salt Lake ?

Well you and Sargent must fix that And I follow as ordered, bound by an Ironclad oath !

But I am getting foolish !

Good Night

yours ever

G. Engelmann

Geo. Engelmann, M. D.
3003 *Locust Street.*

St. Louis, Mo., June 8 1880

Dear Parry

I wrote you on the 2d. No answer yet, more sic!

A letter from Sargent urges decision.

I consent to go and meet him at Salt Lake, he is to say yet *when*?

But how, where and when am I going to meet you? or you me?

Answer at once

I am a little puzzled how this triangular arrangement is to work

Yours ever

G. Engelmann

Another costly box from Palmer today, not opened yet.

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Geo. Engelmann, M. D.
3003 *Locust Street.*

St. Louis, Mo., June 10 1880

My dear Parry

Yours of 6th is recd — "contents noted", very "instructive"! But to me it seems that you are dilatory, and take matters easy enough, while I have thrown off all business and pleasure and am ready to start!

June 6 (last Sunday) "shall be in Davenport next week" — that is betw. 13th & 20th

"ready to leave the week following", that means between 20th & 26th

Well, if you say 20th and not later, we can get along!

I will give you my plans now (subject to your suggestions or vetos).

I leave here Sunday evening 20th am in Omaha Monday evening, stop at Metropolitan Hotel (is that the place?) and wait for you all night and all forenoon of Tuesday.

Leave together at Tuesday noon

Arrive at Ogden Thursday June 24 Evening.

Wait at Salt Lake (what Hotel?) for Sargent from Friday 25th till Tuesday 29th evening.

when we 3 will go to San Francisco and arrive there July 1st in afternoon

If all goes well.

In this way we will have 4-5 days with the Mormons and can take it easy.

avoid the uncertainty of Sargent's telegram from Colorado.

If you were to go [illegible] Louis, you would have to leave earlier — but be sure to be at Omaha at the time fixed by me, *before* Tuesday 22d at noon. otherwise you would leave Monday morning Davenport I suppose.

If that plan is faulty or if it dont suit you you must as soon as possible indicate the changes you desire. || I have written to Sargent to meet us at Salt Lake between the 25th and 28th

"You can write me at Davenport next week" we would have precious little time to arrange matters if I write "next week"; but then, you not come home before "next week". How then? the telegraph then must help us!

This will be in Davenport before you get there, but can wait for you — but dont (more so) delay to write as soon as you have read and pondered over contents.

Gray seems glad that you go with me; he perhaps would not trust me with Sargent's vim and hurry. I neither — I would fear that my "brakes" would not be strong enough but we together will keep him within decent bounds, and will, if must be, rebel.

But dont let me wait in Omaha, it would be very hard, and I dont know if I would not in that case either go on alone or come home! But if you can not be there at my time, set another, your time!

yours Truly

G Engelmann

GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., June 15 1880

Dear Parry

You have hardly had time to read mine of the 10th and here is another! You see, well stirred up! And you? I expect, as cool as a cucumber.

Well, here is another letter of Sargent's: "I rely on your keeping Parry thoroughly posted—"

He was to be at Chicago on the 13th expects to be longer (and uncertain) in Colorado.

Wishes us to be at Salt Lake end of next week — May be there himself on the 28th or perhaps 30th, but will not stay there

So I have modified my plans a little.

Instead of meeting you between Monday night and Tuesday noon at Omaha, I expect to be there between Wednesday night and Thursday noon 24th, so that we could leave together Thursday 24 at noon and be in Salt Lake Saturday eve 26th

All This, if approved by you. So, write at once!

Metropolitan Hotel at Omaha is the place

And dont you loaf about and loose time in Iowa

— I have not much else or nothing else to say just now. — Getting ready rapidly.

Does Mrs Parry stay east till she goes to S. Francisco?

Yours truly

G Engelmann

Answer soon, and I will have time to write you another letter before we start

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Geo. J. Engelmann, M. D.
Office, 201 S. Fifth Str. 12 to 1 o'clock.
Residence, 3003 Locust Str.

St. Louis, Mo., June 20 1880

My dear Doctor

I am somewhat uneasy as to that proposed trip of Fathers - much as I was pleased with the idea of his going I am now very much afraid that something will be overdone - it is ridiculous to see father taking blankets robes and rubber - tin cup etc - he is past the days of camping and has no business to go anywhere when he can not have every comfort

I do not like the looks of things Sargent is a strong strapping young buck who looks as if he could bear anything, and as such men always are - he cannot imagine that others can not stand what he can - he has his business in view and will rush it through as fast as he can

if a single exposure brings about another attack
ation of rheumatism or bronchitis - it will be a
long and a serious matter and he will be away
from home. I beg you to think well of this
and not to forget his years and his condition.

With the most sincere regards ~~from~~ to Mrs
Parry and yourself in which my wife cordially
joins

Truly and gratefully yours

Geo. Engelmann.

you are accustomed to travel and camping - father is 72 - used to an easy comfortable life - subject to Rheumatism - Bronchitis and - never mention it to him a chronic affection of the kidney - yet he feels young and will not be willing to remain behind -

I beg of you to advise him judiciously and not to permit any nonsense - you must restrain him - as you have put this trip into his head I will hold you accountable for his health - And if Sargent should urge him into any undertakings which are beyond his strength - I pledge you my word that I will make him regret it -

Father should go upon a point and seek surroundings which please and interest him - but he should never go beyond the reach of every possible comfort

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GEO. ENGELMANN, M. D.
3003 *Locust Street.*

St. Louis, Mo., June 20th 1880

Dear Parry

I have nothing new to say, but will write only to repeat that I will leave here ~~[illegible]~~ Tuesday night, sleep in Omaha Wednesday night and be fresh and bright to receive you Thursday forenoon.

I shall take a section here (if I can) on the Pac. R.R. from Omaha to Ogden — for both of us, if you will consent to climb and promise not to come down on me.

Well then, for Thursday forenoon

yours ever

G Engelmann

[illegible] to tell that George writes you
a scorching letter
whenever a word [illegible]
of it

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Sunday Aug 8

Dear Parry

Mr Dennis has brought your letter, says he left you on friday with a big bundle of plants.

We went Monday as far as the Dalles and there, 6 or 8 miles above the town, a rose in ripe fruit, not yet seen [illegible] a sterile country, which you will see when you go to Wallawalla, which seems to be scarcely worth while to do. The accounts of Douglas' mountain trail were such that I concluded not to go, but Sargent alone went and had a hard trip but was well paid finding nobilis and amabilis splendid (we had a spec'n photographed) and besides that [illegible] and Pattoniana which Douglas missed. What is wanting now is subalpina and Engelmanni. I hope you can supply them. A trip to Mount Hood would probably pay better than Walla Walla and is said to be easy; you know that Hall found both there. By the way, if you have any idea of going there, you could get full information from Hall at once by telegraphing through Schultz without any expense; he would do it for you.

We have been loafing about here yesterday, the whole day was lost or spent in a trip south to Corvallis, through a fine agricultural region, such as I have not yet seen in Oregon. We leave here to-morrow morning

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for Eugene City, thence to the Coast, then back to the overland road, perhaps ~~[illegible]~~ through ~~[illegible]~~ the Cascades and Sargent expects to be in three weeks at Sissons. Where will you be? Meet us?

We send trunks out to San Francisco and go light.

At all events you may write before you leave here to Sisson's — further address not known at this time, except: Strawberry valley.

I hope you may be success-ful.

Mr Dunn who is a seed sharp (sharp?) is going to collect amabilis seeds in the Douglas Locality.

If you can give us your address in S. Francisco we may telegraph to you there — I suppose Lick House will reach you — but when do you expect to be there? Tell Schulz who will telegraph to us

Yours truly

G Engelmann

Sargent and Skinner send regards

We met Brewer at the Cascades coming from Wallawalla, took him with us and came back to Portland, where he left for San Francisco

San Bernardino Sept 22. '80

Dear Parry

Last night, late, we returned from a two days trip to the Mountains, S. myself and S Parrish who took us in charge — Kinner would not and Wright could not go. P. Jeffreyi — Coulteri — high up — on the other side — P. tuberculata abundant on this slope — Quercus dumosa also good — you cannot get ripe acorns of it — Q. oblongifolia I got at San Gabriel.

We leave, as usual in a hurry, this evening, for Tucson — and Santa Rita Mtns.

The Parish "boys" as they call them have been very kind and obliging so that I ventured to ask the favor to leave my Coll. with them, the plants to dry, the whole from cones, barks, wood, to keep

for you

to pack up, add what you think proper and to send to me,

3003 Locust Str

[illegible]

Tt

I may write a line from Tucson and you may address a letter there to me, but at once!

Time less than 5 minutes, so I have to close.

So good bye

Your ever

G Engelmann

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Tucson Sept 29 '80

Dear Parry

on return from Santa Rita Mountains last night, sick and tired (bitten by a Centipede! glad to have made that experience and to know that it dont kill!) I found among letters from home also yours.

The indefatigable Sargent wants to leave to morrow before day for Yuma, there one day — and then direct to S. Fr. I thought of going to San Diego but will probably go with them to S. F. but not accompany them east. My intention is to stay a while there, make short excursions, perhaps with you to Mendocino — to Mte Diablo etc and be in no hurry at all — But expect to return to St Louis by end of October; my health is now so good that I do not dread the winter and I long for serious work! All these things observed and collected so hastily must be worked up! We have been in such a hurry that we already find out that we left important questions un—

answered, ought to go again, where we left a couple of days ago and study them out; I was disabled, and Sargent in his usual hurry!

More when I see you

yours truly

G Engelmann

one of the Gentlemen we met at the Bohemian Club Hall, I believe, is here, perhaps after [illegible].

Cacti &c sent to Engelmann
Jany 26th 1881

No 1. Opuntia fulgida
2 O. lurida - smooth seeds
3 O. — ? irregular seeds
8 O. tessellata seed
5 O. Yumaensis fl & seeds

6 Yucca albo marginata
④ Yucca chlorocarpa ?

7 Agave Palmeri
— Echinocactus Emoryi ?

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